



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D2580-1

Job Sheet 177627



Part No: D2580-1

Job Qty: 4 ea

Part Name: 205 Bent Tube



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/15/18

Job Tracking No:

Due Date: 5/25/18

Created By: Michelle Gagnon-Donovan

Type: Stock

Description:

Note: DWG D2580 REV h SHEETS 1,2,3,8 IPP B 01.11.08 Revised Step 9, 10, 12, and 13 SM IPP Rev:C 10.12.01 as per DEO D1 DD verf:ec

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	4 Ea	5/25/18	5/25/18	0.00	0.00	Start Up Skid tubes		JUL 10 2018
100	Skid tubes	4 pcs	5/25/18	5/25/18	0.00	3.70	Skid tubes		JUL 10 2018
101	QC	4 pcs	5/25/18	5/25/18	0.00	0.00	QC5		JUL 10 2018
110	HandFinish	4 pcs	5/25/18	5/25/18	0.00	1.67	HandFinish1		JUL 10 2018
120	QC	4 pcs	5/25/18	5/25/18	0.00	0.00	QC7		JUL 10 2018
125	Skid tubes	4 pcs	5/25/18	5/25/18	0.00	3.70	Skid tubes		JUL 10 2018
130	QC	4 pcs	5/25/18	5/25/18	0.00	0.00	QC5		JUL 10 2018
140	Packaging	4 pcs	5/25/18	5/25/18	0.00	0.00	Packaging3		JUL 10 2018
150	QC21-SA	4 Ea	5/25/18	5/25/18	0.00	0.00	QC21		JUL 10 2018

Part Op 100 - 1- Inspect mat'l D2500-1-190 for damage. 2-Drill pilot holes using drill jig DT 8149 A-BC-D 3-Open holes to 0.508"
Descriptions: as per Dwg D2580 4-Debur holes per QSI002 section 4.2.3 and blow out all chips from inside of tube 5- Test fit inspection saddles on FWD & AFT saddle holes using DT9916.
125 - 1- Bond web in place per QSI 015. A/R Sikaflex-291 batch: _____ Sikaflex expire date: _____ Start time and date: _____ bond for 12hrs
140 - LOCATION : LG002

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2500-1-190	Ext'n - 'I' Beam Tube 4"	4 Ea (1 ea)	90-Start up Operation	30 B1 201
D2596	Web, 205 Skid tube	4 Ea (1 ea)	125-Skid tubes	30 5075511

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D2500-1-190	4	49	0
125-Skid tubes	D2596	4	12	0

Part Specifications

Specifications could not be found.

Plex 5/15/18 1:22 PM Dart.Gagnon.Michelle

DART
AEROSPACE

Container No: S082084



Part: D2580-1

Job No: 177627

Serial No/Batch: S082084

Revision: H
Inspector:
Exp Date:
Instructions:

Date: 06/19/18

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WORK ORDER

NO. 177627

MAY 15 2018

ITEM	QTY -041	QTY -045	QTY -047	QTY -048	PART NUMBER	DESCRIPTION
1	X				D2580-041	SKIDTUBE ASSEMBLY
2		X			D2580-045	SKIDTUBE ASSEMBLY
3			X		D2580-047	SKIDTUBE ASSEMBLY
4				X	D2580-048	SKIDTUBE ASSEMBLY
20	1	1	1	1	D2580-1-180	EXTRUSION
21			16	16	D2570	BUSHING
22	1	1	1	1	D2578-3	STEP
23		4			D2579	SPACER
24	16	16	8	8	D2594-1	PLUG
25	16	16	8	8	D2594-3	O-RING
26	1	1	1	1	D2596	205 WEB
27	1	1	1	1	D2585	AFT CAP
28	1	1			D3584-5	WEARSHOE
29	1	1			D3584-9	WEARSHOE
30	1	1			D3584-11	WEARSHOE
31	1	1			D3584-13	WEARSHOE
32	20	20	24	24	D4202-1	SPACER
33			1		D4406-041	WEARPLATE ASSEMBLY
34			1		D4406-043	WEARPLATE ASSEMBLY
35				1	D5061-1	FWD WEARPLATE
36				1	D5061-3	AFT WEARPLATE
60	50	50			AL57-1032-130 or AKS7-1032-130 or AKS4-1032-130 or AELS-1032-130	INSERT
61	50	50			AN3C4A	BOLT
62	2	2	2	2	AN3-5A	BOLT
63			8	8	AN4-45A	BOLT
64	50	50			NAS1149C0332R	WASHER (AN860C10L)
65	2	2	2	2	NAS1149D0332J	WASHER (AN860JD10L)
66			8	8	MS21042-4	NUT (OR MS21042L4)

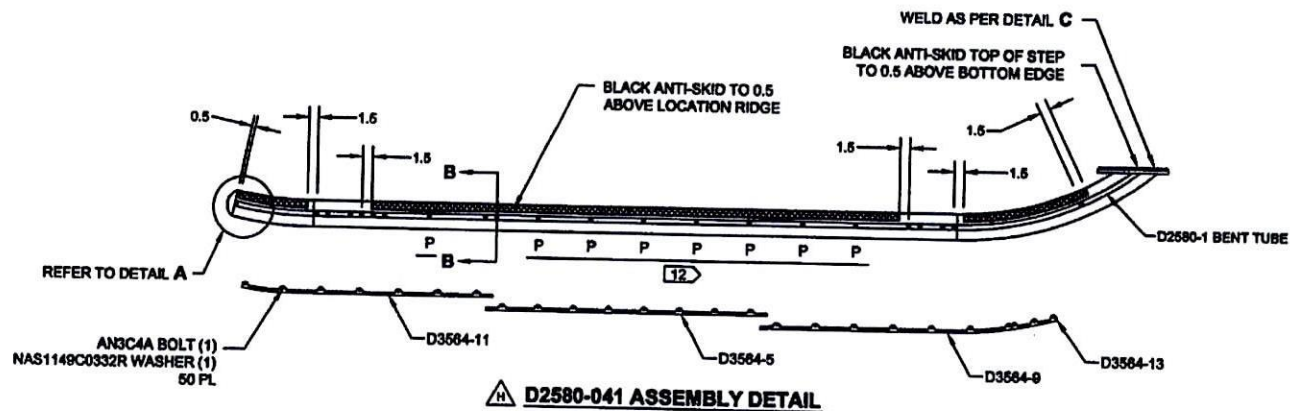
GENERAL NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: CHEMICAL CONVERSION PER DART QSI 005 4.1 PRIOR TO INSERTING D2580 WEB
POWDER COAT (-041/-047/-049) GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
POWDER COAT (-045) GREEN SANDTEX (REF 4.3.5.8) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D2580-041 = 33.7 lbs
D2580-045 = 33.7 lbs
D2580-047 = 45.1 lbs
D2580-048 = 32.0 lbs
- 8) WELDING PER DART QSI 004.
- 9) INSERT D2580 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 018 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 10) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 11) USE DART DRILL TEMPLATE DT8217 & DT8937 ONLY FOR D2580-041/-045 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL AL57-1032-130 PER SECTIONS B-B AND F-F (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND NAS1149C0332R WASHERS WITH SIKAFLEX-241-291.
- 12) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED "P" (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES FOR D2580-041/-045 AND 8 PLACES FOR D2580-047/-048)
- 13) IT IS ACCEPTABLE TO GRIND A RELIEF IN THE D2585 AFT CAP TO PREVENT INTERFERENCE WITH THE SPACER AT THIS LOCATION

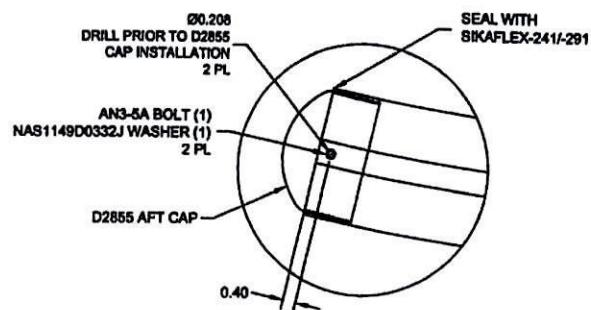
H	SHEET: PL DELETE D3586-11-51-13 GASKETS, WEIGHTS UPDATED ACCORDINGLY. SHEETS 2 & 4 PICTORIAL UPDATE FOR REMOVAL OF GASKETS	SAD	17.06.09
G	ADDED -048, -047 WEIGHT UPDATED PER DSI 9906	AJS	14.04.09
F	INCORPORATE DEO D2580-E-1 PER PAR12-218	DC	13.06.20
E	ADD D2580-047 (ZN C4-7) AND D2580-7 (ZN B3-8); INCLUDED DEO D2580-D-1; REFORMATTED DRAWING TO CURRENT STANDARDS; DT8217 & DT8937 WAS T02577-205 (ZN C4-1)	RF	11.06.21
D	CHANGE TO 88 WEARPLATES AND GASKETS, INCLUDE DEO 8124/ 8183	PH	07.04.06
C	REDRAWN, INCLUDED DEO 9094/ 9097	CP	06.06.26
B	AS MANUFACTURED	DS	06.12.02
A	NEW ISSUE	DS	06.06.16
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SAD		
CHECKED	<i>DS</i>		
MFG. APPR.	<i>DS</i>	DRAWING NO.	REV. 1
APPROVED	<i>DS</i>	D2580	SHEET 1 OF 9
DE APPR.	<i>DS</i>	TITLE	SCALE
DATE	17.06.09	205 SKIDTUBE ASSEMBLY	NT
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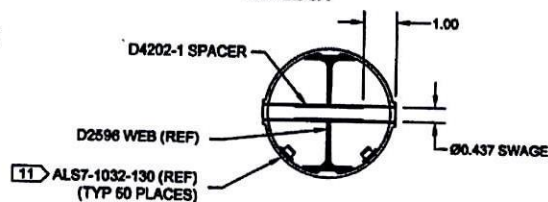
2017 JUL 05 4P
ECN 17-519



DETAIL A
SCALE 5X

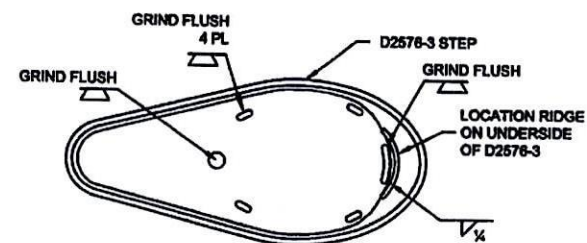


SECTION B-B
SCALE 5X



AFTER DRILLING AND BENDING ASSEMBLY
PERFORM THE FOLLOWING FOR Ø0.508 HOLES ONLY:
1. INSERT D4202-1 SPACER (20 PLACES)
2. SWAGE TO Ø0.437 X 1.00 DEEP PER QSI 002
3. TRIM / GRIND FLUSH PER QSI 002

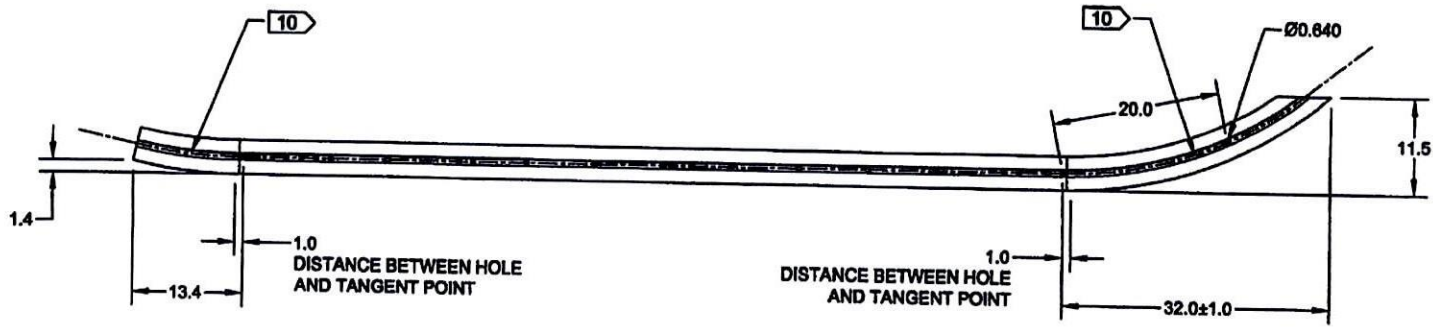
DETAIL C
SCALE 5X



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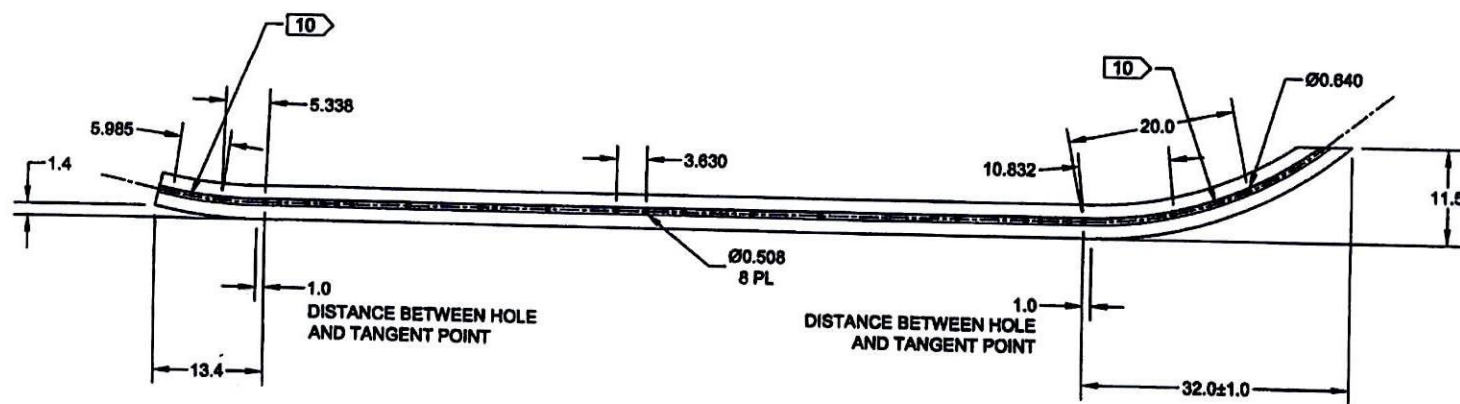
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D2580-1 BENT TUBE
(MAKE FROM D2580-101 TUBE)

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D2580-7 BENT TUBE
(MAKE FROM D2580-101 TUBE)

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APPROVED	<i>[Signature]</i>	TITLE	SCALE
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